

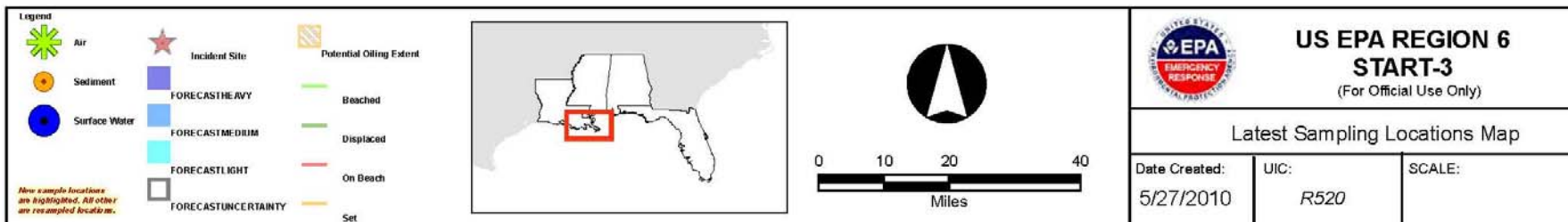


# **Summary of EPA's Sampling and Monitoring Activities Deepwater Horizon Incident**

## **May 27, 2010**

**Data Reporting Period:**

May 25, 2010 0000 – May 26, 2010 0000





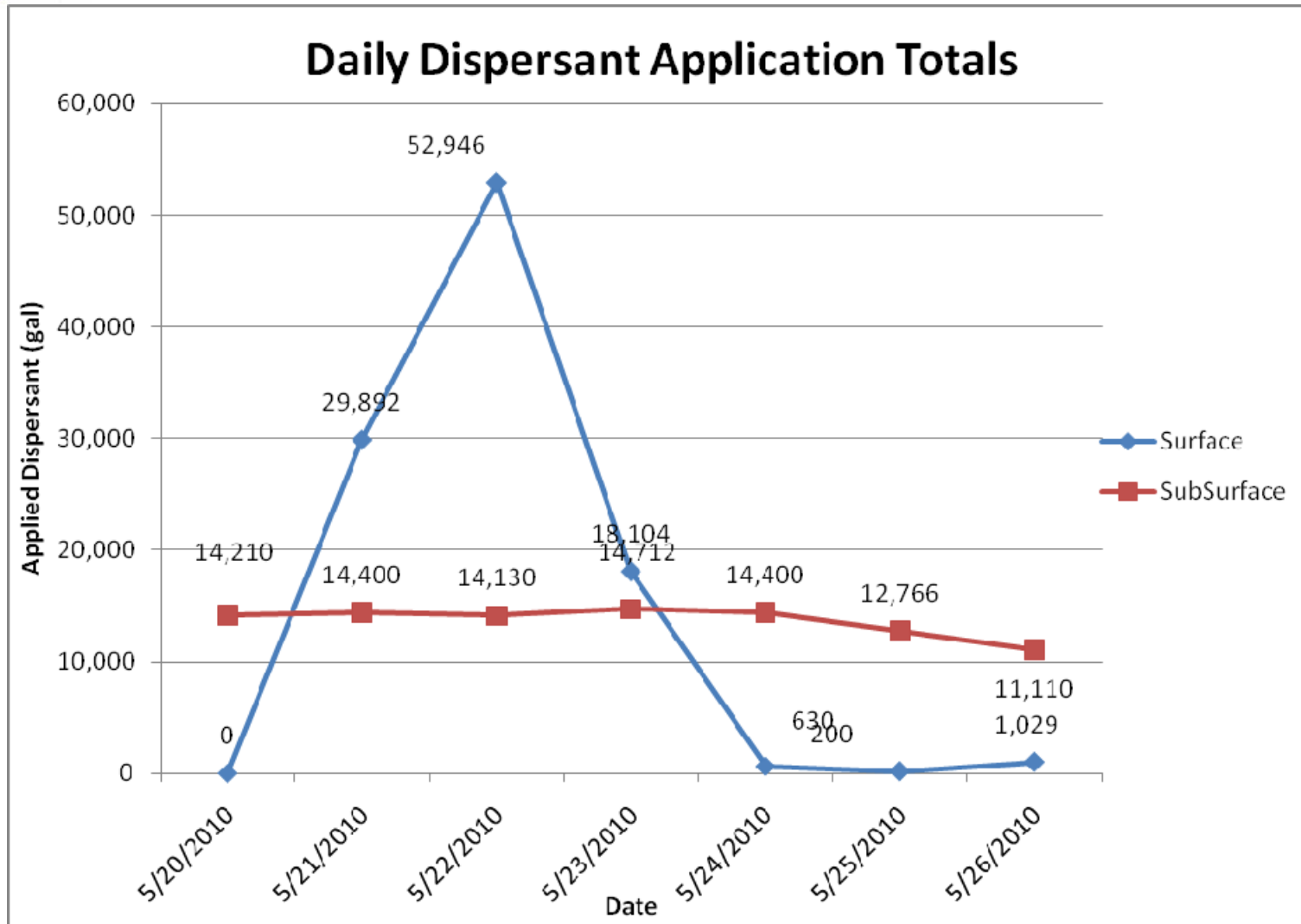
# Dispersant Application

	TOTALS FOR 5/26 (gal.)	CUMULATIVE TOTALS (gal.)
Surface	1,029	706,817
Subsurface	11,110	155,436

Data as of 5/26



# Dispersant Application Chart





# Samples

	<b>SUMMA Canisters</b>	<b>PQ200 (PM 2.5)</b>	<b>Water</b>	<b>Sediment</b>	<b>TOTALS for Reporting Period</b>	<b>TOTALS to date</b>
<b>Collected</b>	6	6	5	0	17	675
<b>Shipped</b>	6	6	5	0	17	659

\* Sample shipment delayed due to weekend (FedEx does not ship on Sunday);  
Samples collected on Saturday and Sunday will be shipped on Monday and reflected  
on that Sample Summary.





# Water Sampling



View of EPA using a shallow draft jet boat to view oil accumulation near sorbent boom around a small island in Timbalier Bay, LaFourche Parish on 5/26.



# Air Monitoring Data

	CO (ppm)	H2S (ppm)	OXYs (%)	PM10 (ug/m3)	VOCs (ppm)
C02	-	-	20.7	32.8	0.2
C04	-	-	20.9	29.2	0.2
C05	-	-	20.9	25.8	0.6
V02	0.3	0.1	21.1	44.5	0.2
V03	0.8	0.1	21.2	65.5	0.3
V05	0.2	0.1	21.3	45.0	0.1

\* Data shown above is a 24-hour average

“-” indicates no data collected

## Action Levels:

VOCs = 10 ppm; OXY (Oxygen) = acceptable range 19.5-23.5%,

PM10 (particulates) = 150 ug/m3; H2S = 0.5 ppm; CO = 35 ppm

Note: Action Levels based on OSHA PEL (VOCs and OXY), ATSDR Risk-Based Exposure Levels (PM10), and NIOSH RELs (H2S and CO)





# Air Monitoring/Sampling

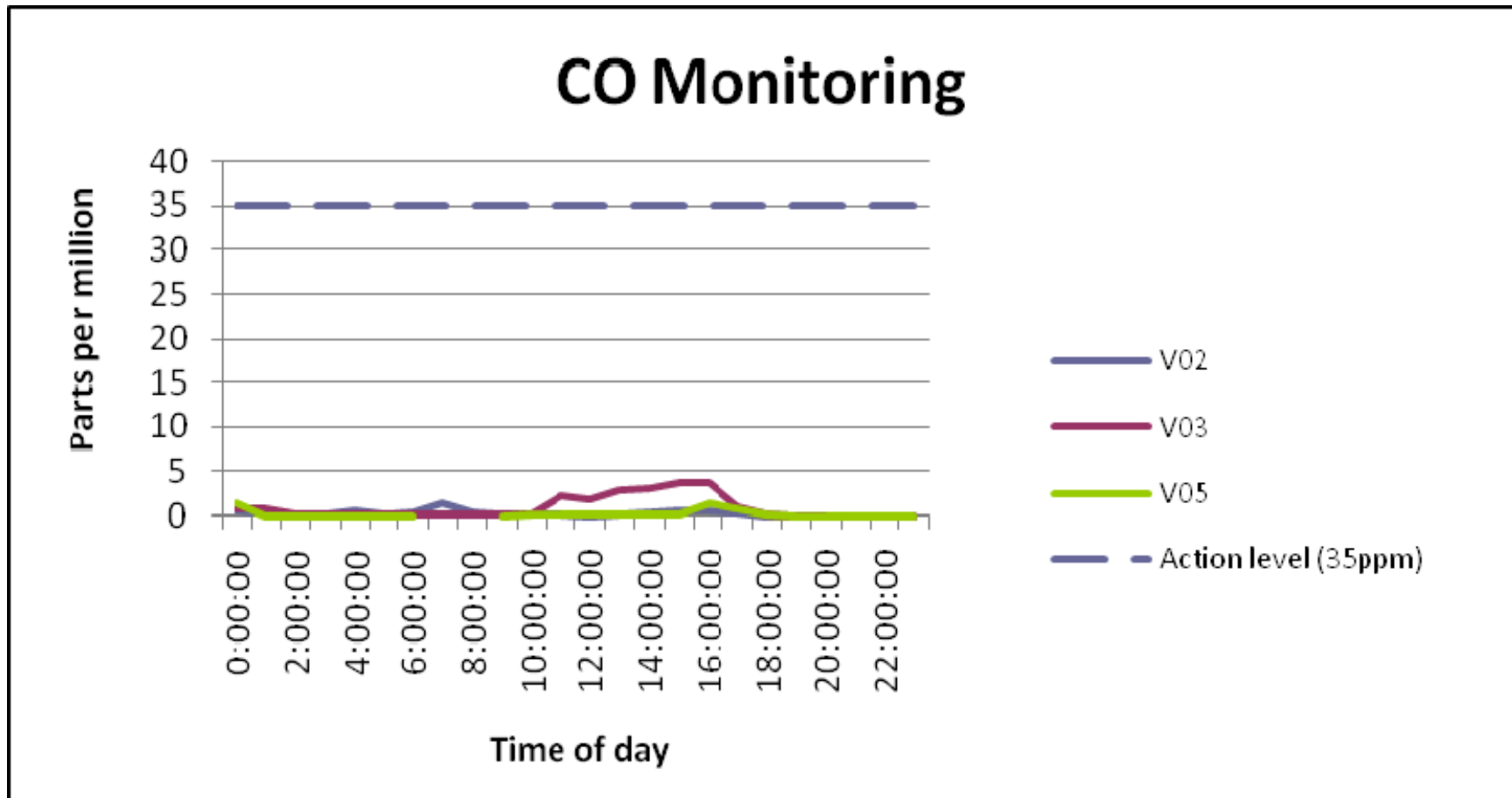


Air monitoring/sampling Location V03 in Venice, LA



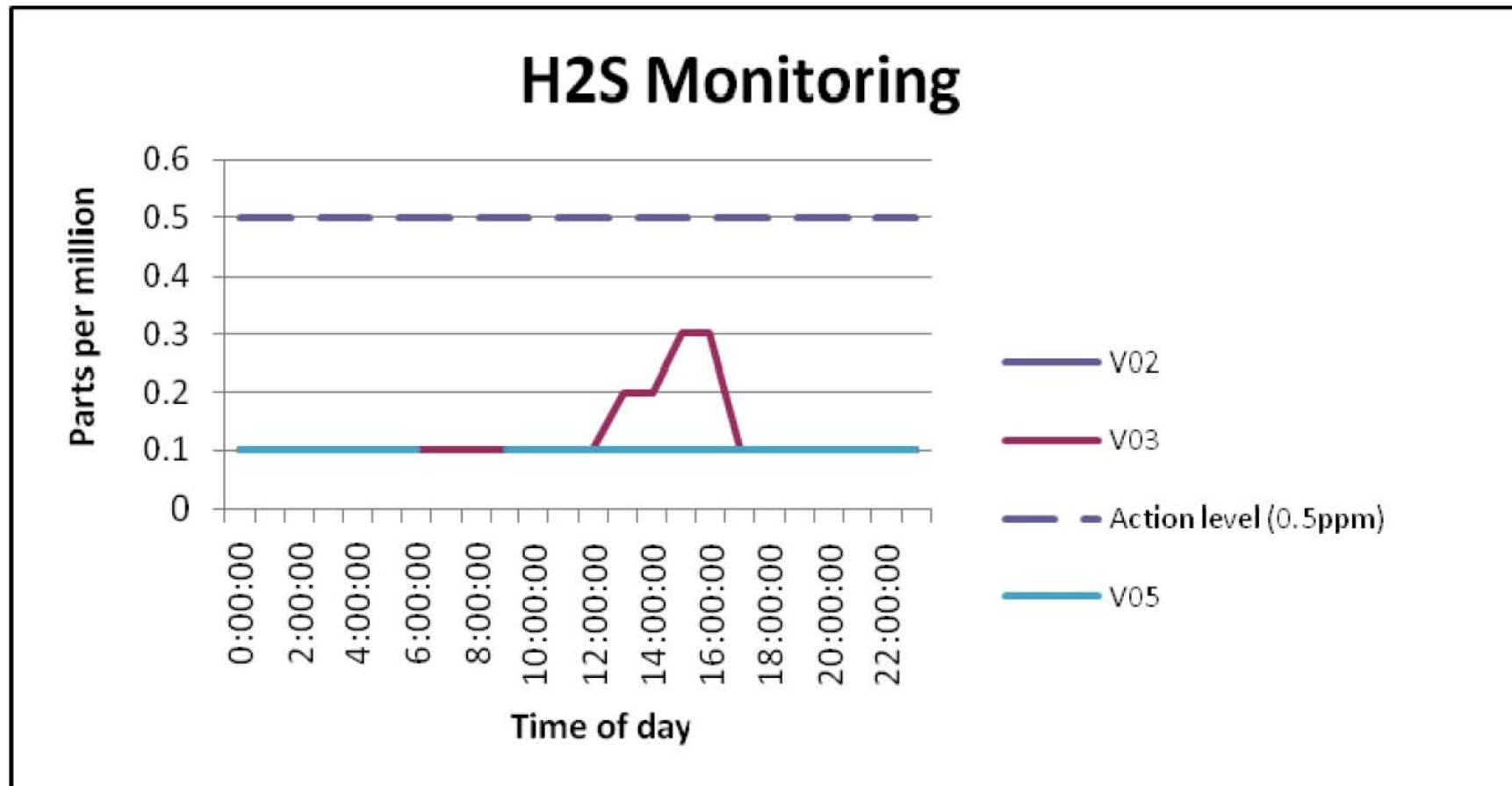


# CO Monitoring



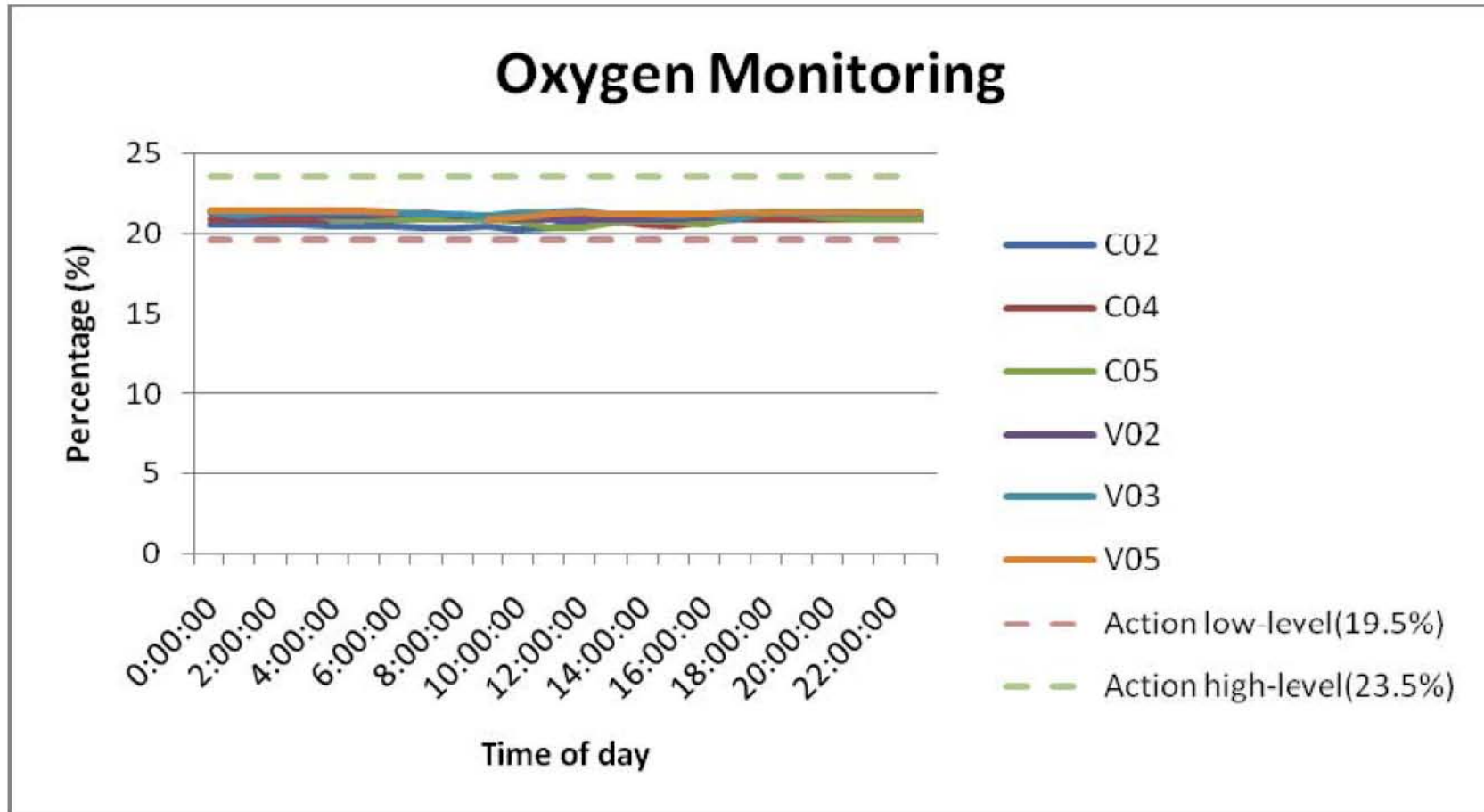


# H<sub>2</sub>S Monitoring



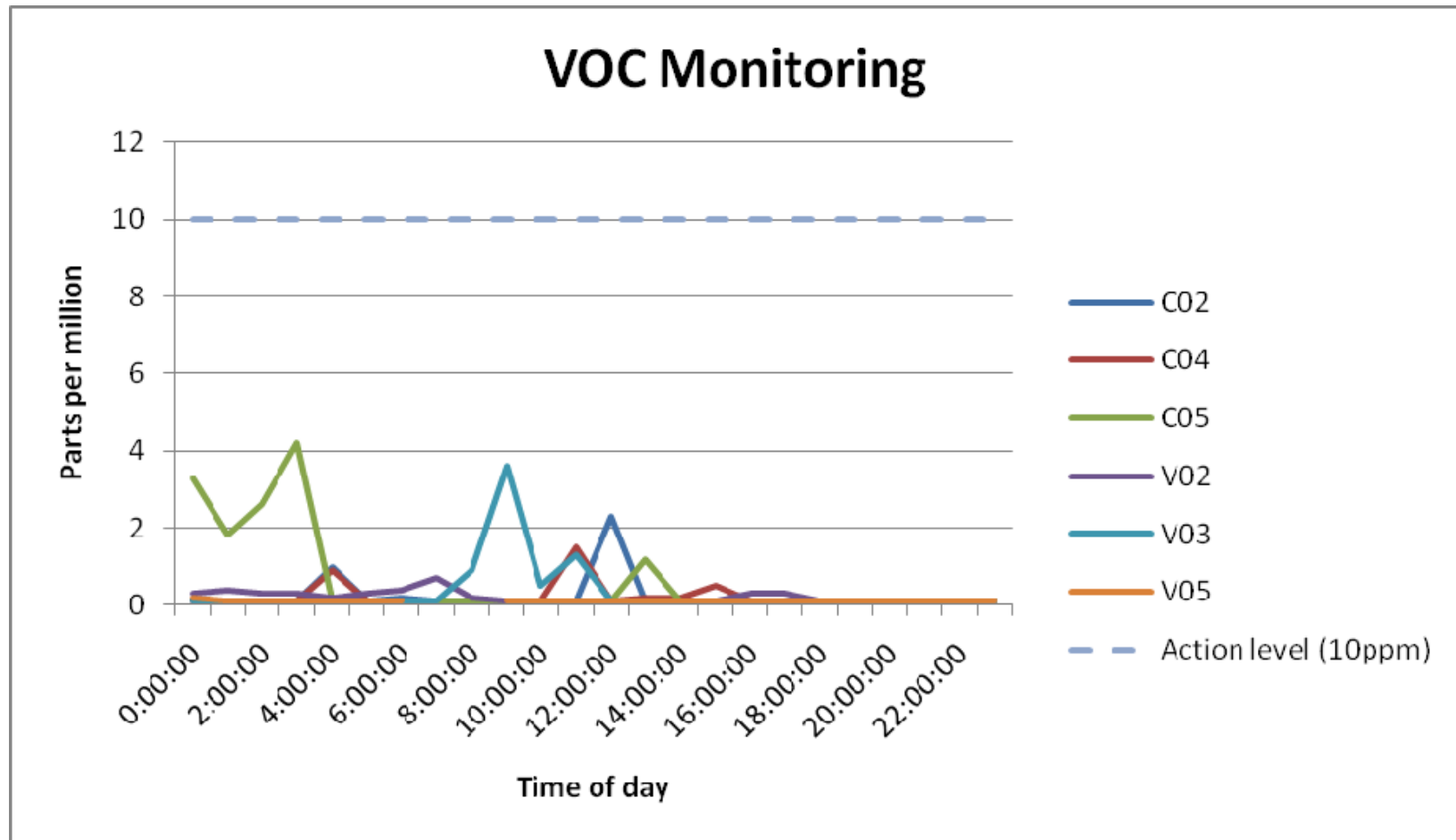


# Oxygen Monitoring





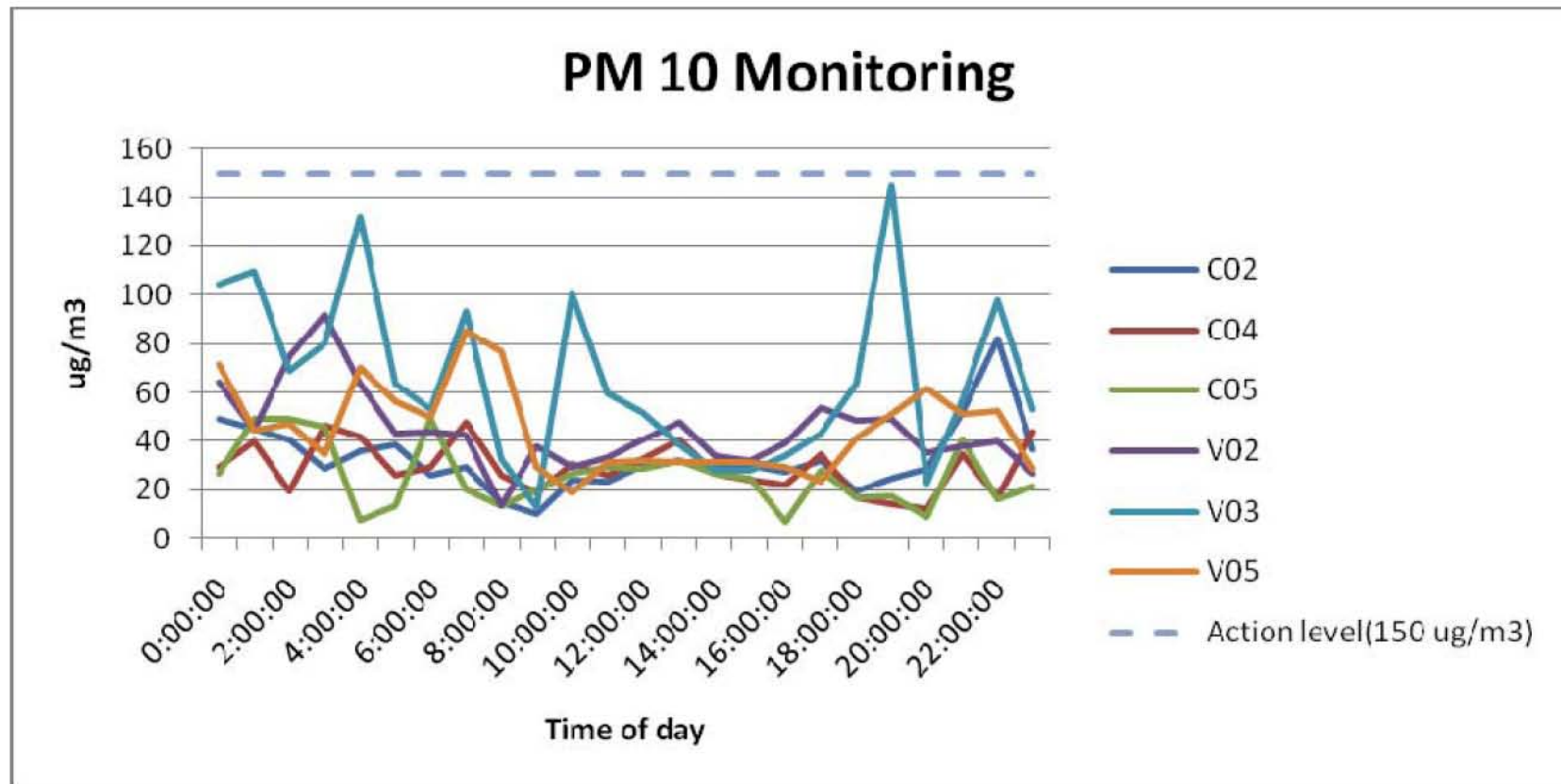
# VOC Monitoring







# PM 10 Monitoring





# Action Level Exceedences

- No air monitoring exceedences were noted during this reporting period.



# Brooks McCall/Veritas Summary

- No data from the Brooks-McCall vessel or the Veritas vessel was collected on 5/26.
- Sampling will resume on 5/27.



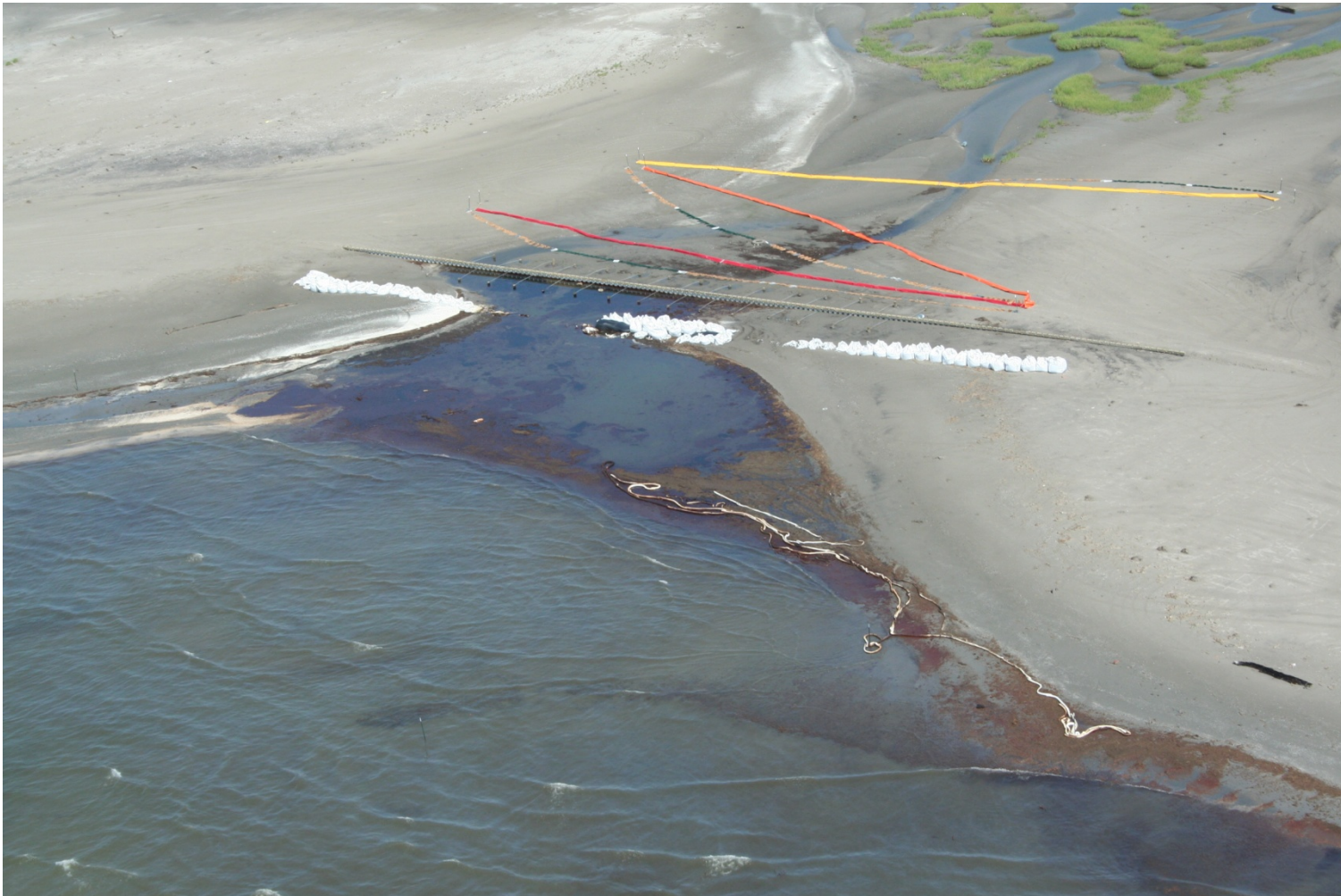
# ASPECT Summary

- On 5/26, ASPECT collected data in the Grand Isle area and the west side of the delta. ASPECT documented oil on the beaches of Grand Isle and reported that oil appeared heavier at the western end of the island. Cleanup crews were working in the Grand Isle area. ASPECT also reported oil on the beaches of Elmers Island, East Timbalier Island, and the Grand Terre Islands. ASPECT noted heavy oil approximately 80 miles south west of Chalmette, LA.
- On 5/26, ASPECT collected data on emissions from a controlled burn.
- On 5/26, ASPECT noted that after the BP siphon ship moved away from the rig area, mudding fluids from the attempted sealing operations were visible at the surface.
- On 5/27, ASPECT reported the presence of oil on water approximately 10 miles south of Long Beach, LA. ASPECT also reported oil on shore and on water at approximately 10 miles west of Venice, LA and on the western shore of East Bay.





# Aspect Photograph



**Arial view of oiled beach and boom along the shore near Grand Isle, LA.**



# TAGA Summary

- On 5/26, TAGA performed mobile monitoring for oil dispersant indicator compounds, OD-00 and OD-27, in Southern LA from the Stennis Space Center to Port Fourchon, LA and Grand Isle, LA. All observed OD-00 and OD-27 indicator compounds were associated with a point source.
- TAGA plans to perform mobile monitoring for oil dispersant indicator compounds, OD-00 and OD-27, on 5/27 in Southern LA from Slidell, LA to Hopedale, LA and Delacroix, LA.



# ACTION PLAN

for

5/27/2010

- The Brooks McCall and the Veritas vessels will continue operation on 5/27.
- Water and oil sampling is planned for the Venice and Cocodrie Water Operations.
- TAGA will conduct mobile monitoring in southern LA.
- ASPECT plans to document oiled beaches, oiled waters, and cleanup operations on 5/27.
- Air Samples will be collected from 6 locations.